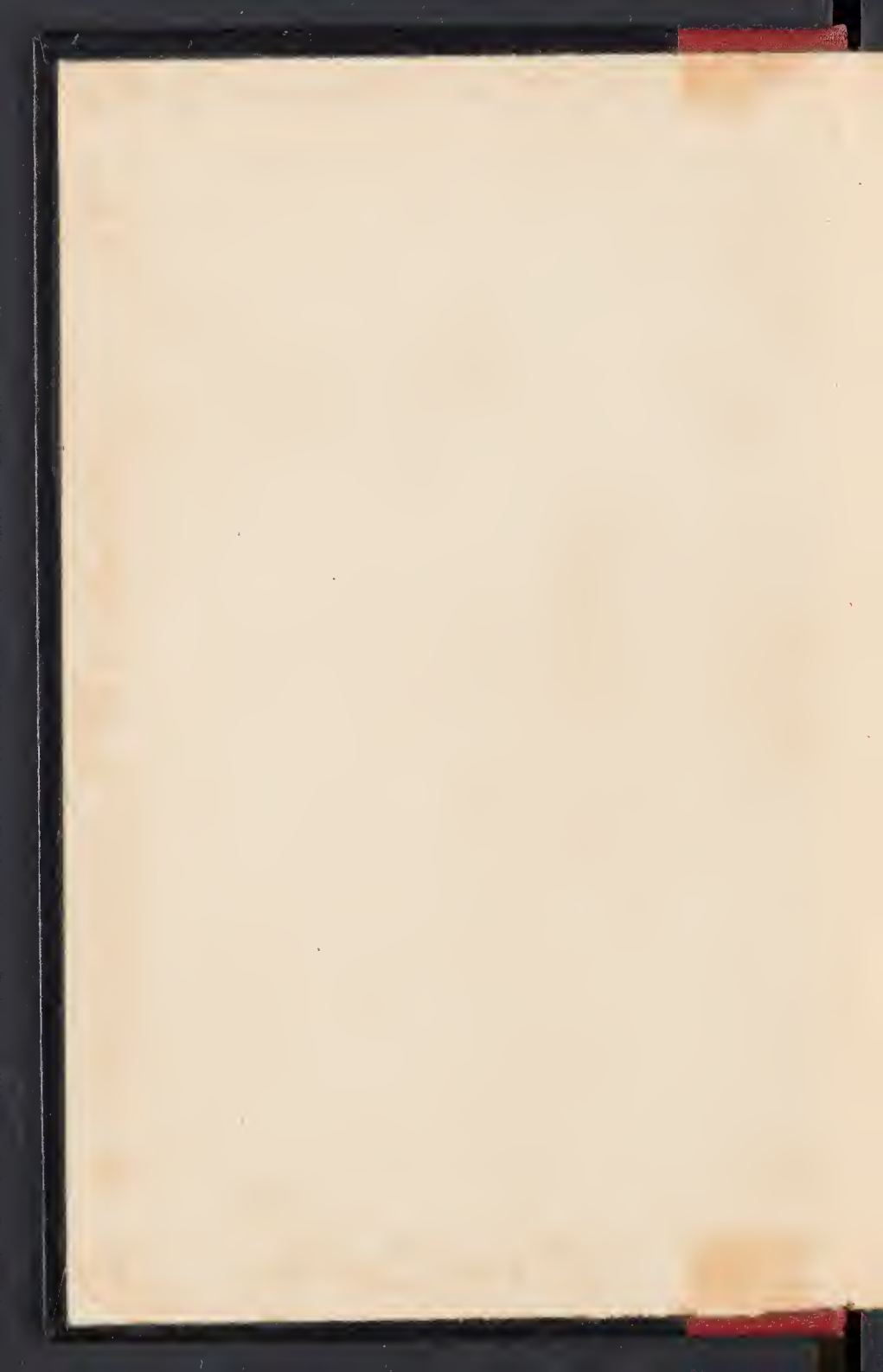


1957

II

RECORD



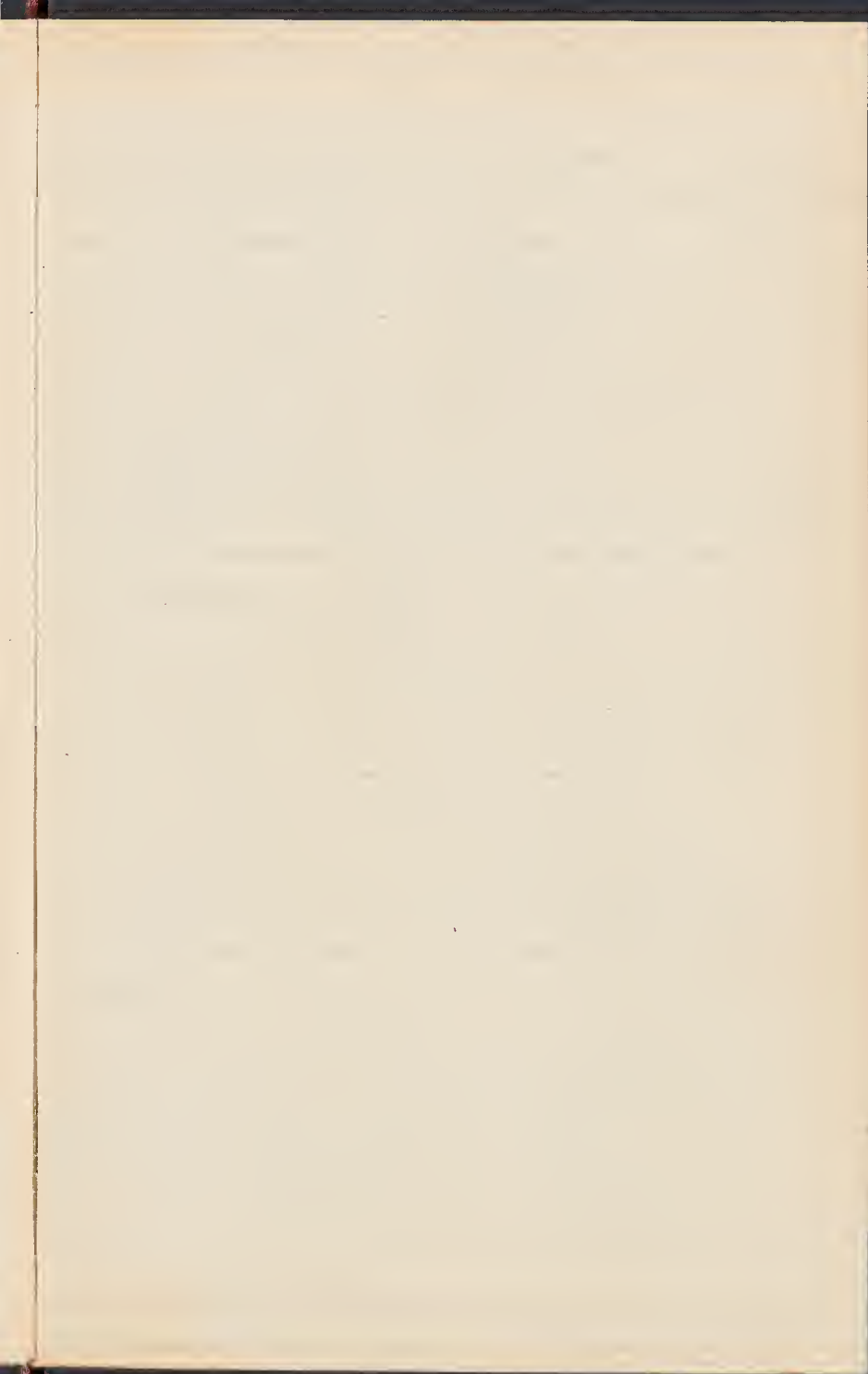


This notebook is of value to
the owner and a reward will
be given if it is returned
to :

Reed C. Rollins

15 Bay View Road

Wellesley 82, Mass.



5

5

5

5

5

Wyoming

57160 *Eragrostis paniculorum* Pursh
var. *gnaphalodes* (Benth.) Nees
in clumps of ~~grass~~ ^{white}. loose black-green and brown
soil, 6 miles northwest of Lupton,
Campbell Co., Wyoming July 9, 1957

57161 *Strophosiphon* (4)
as 57160

57162 *Arabis glabra* (3)
petals ^{pink} ~~light~~ ^{pink} ~~white~~ abundant,
moist area near stream, East Fork
of Big Horse Creek, eastern corner of Sheridan County, Wyo. alt. 7,800 ft.

July 10
57163 *Arabis* ~~glabra~~ ^{Gray} (4)
Fls. purple, siliques ~~small~~, abundant
dry hillside

57164 *Pedicularis contorta* Benth. (2)
Fls. pinkish purple, dry knoll,

57165 *Arabis Holboellii* var. *pendulocarpa* (10)
siliques pendulous, pedicels arched downward,
dry knoll. as 57163

Wyoming

57166 *Balsamorhiza* (3)
Dry hillside, as 57163

57167 *Zigadenus paniculatus* (Nutt.) S. Wats. (6)
Fls. white, bulbs ovoid, leaves succulent
(6) dry meadow, as 57163
July 10

57168 ~~*Zigadenus*~~ *Hieracium gracile* Hook. (5)
Fls. & pinn. co. to ... near
East Fork Big Horn River, as 57163
Det. K. L. Chambers

57169 (4)
H. ad. ...
...

57170 *Collinsia parviflora* Benth. (5)
...
as 57168

57171 *Agoseris* (3)
Dry hillside, as 57163

Wyoming

57172 *Lesquerella curvipes* A. Nels. (1)
Limestone chip at the top of Red Grade,
Big Horn Mts. west of Big Horn, Sheridan
Co., July 11, 1957 - alt 7,000 ft
siliques flattened parallel to septum

57173 *Zygadenus elegans* Pursh (2)
as 57172

57174 *Silene spirata* Nutt. (4)
as 57172 var. *cephaloidea* (Rydb.) Conz. & Roll.

57175 *Lesquerella curvipes* A. Nels. (6)
dry limestone chip - unfavorable habitat
part way down Red Grade - siliques
flattened parallel to septum -
ca. 6,800 ft
as 57172

57176 *Lesquerella curvipes* A. Nels. (10)
Roadbank in favorable situation,
alt 6,500 ft. - part way down Red
Grade
as 57172

57177 *Alyssum alysioides* G. (5)
very ab. in situ on hillside

Wyoming

- 57178 - *edysarum boreale* Nutt. (5)
 Flo. reddish purple, the stems numerous
 dry hillside - foot of Dayton Road, about
 5 miles west of Dayton, Sheridan County,
 July 11, 1957 - alt. 5,000 ft.
 eastern slope of Big Horn Mts.

- 57179 ~~long~~ *Hedysarum sulphureum* Rydb. (4)
 Flo. white, Dayton Road - alt. 5,500 ft.

- 57180 *Physalis didymocarpa* (Hook.) Gray (6)
 var. *lanata* A. Nels.
 steep loose
 lining bank, Dayton Road,
 alt. 6,500 ft.

- as above *alpina* (Nutt.) Wats.
 57181 *berquerella* [curvipes A. Nels.] (10)
 Siliques strongly flattened, parallel
 to partition,
 as 57180

- alpina* (Nutt.) Wats.
 57182 *berquerella* [curvipes A. Nels.] (6)
 Siliques strongly flattened parallel
 to partition.
 steep slope and hillside top of
 Dayton Road - alt. 7,000 ft.
 subsp. *alpina*

692
sept

Wyoming

57183 *Stanleya tomentosa*

(7)

Fls. lemon yellow, ~~the~~ knolls and slopes,
fixed ~~the~~ shell Creek Canyon, ^{between 2000' and 2100'} Big Horn Co., Wyo.
Shell, Big Horn County, July 11, 1957

57184 *Lesquerella* ^{*alpina* (Nutt.) Wats.}
[*curvisperma* a. nels.]
as 57183

(2)

Wyoming - Y. N. Park

57185 *arabis microphylla* ^{Nutt.} var. *macrantha* (Nutt.) Roll.
Siligues acute, pedicels widely spread,
grows with narrow low steep slope in
open pine woods, near Undine Falls,
Yellowstone National Park - July 15, 1957
2n=15 cf. Boether 1969

(10)

57186 *arabis graha* (L.) Bernh.
Siligues erect, open meadows

(3)

57187 *Arabis Holboellii* var. *reticulata* (4)
steep slope and open hill, as 57186
as 57185

57188 *Arabis alba* var. *Gray* (5)
Silicles erect
as 57185

57189 *Arabis sparsiflora* Nutt. (5)
Silicles erect, pedicels
as 57185

57190 *Arabis microphylla* Nutt. (1)
Silicles erect, pedicels
as 57185

57191 *Arabis Holboellii* var. *pubescens* (5)
Silicles pendulous, pedicels erect
open slope and hill
as 57185 $2n=14$ cf. Böcher 1969

57192 *Arabis hirsuta* var. *pygmaea*
sandy soil, steep slope
8000 ft.

(1)

57193 *Polypodium sagittatum* (Vitt.) Endl.
var. *crassicaule*
Wet sedge. in ~~at~~ ^{near} stream,
base of Bensen Mountain, about six
miles south east of Mammoth Hot Springs,
Yellowstone National Park, July 15, 1957
alt. 7,000 ft.

(2)

Montana

57194 *Hymenophyllum* [Cardium] *puberulum*
Sandy bar of the Yellowstone River,
1 mile east Livingston, Park County,
Montana
July 16, 1957 alt 4,600 ft.

(4)

57195 *Rorippa islandica* (Aul.) Bolander, var. *hispida*
plants about 2 ft high, much branched
from base and above. Siliques nearly
globose - slightly longer than broad
near Yellowstone River, 4 miles east
Livingston, Park County
July 16

(5)

- 57196 *Arabis Holboellii*, var. *pendulocarpa* (1)
 Dry hillsides, siliques pendulous
 8 miles north of White Sulphur
 Springs, Meagher County.
 alt. 6,500 ft
 July 16,
 2n = 14 cf. Böcher (1969)

- 57197 *Dracopis alpina* (Nutt.) Wats. (7)
 alpine tundra, siliques
 as 57196
 rocky slope - nearly bare places
 subsp. *alpina*

- 57198 *Arabis Holboellii*, var. *retrofracta* (3)
 steep slope and talus to north slope
 of Kings Pass, Lewis and Clark
 National Forest, 14 miles north of
 Teton, Cascade Co. alt 6,550 ft,
 July 16

57199 *Clematis lanceolata* Pursh

(3)

Shrubby at base, slope, 41
miles south of Great Falls, Cascade
County, Montana

(3)

July 16

alt. 5,200 ft.

57200 *Arabis* ~~lanceolata~~

(1)

as 57199

57201 *Arabis* ~~lanceolata~~ Nutt.

(1)

as 57199 var. *columbiana* (MacDougl.) Roll.

$n=23$

$2n=46$ cf. Böcher 1969

57202 *Hedysarum* ~~lanceolatum~~ *sulphurescens* Rydb. (4)

as 57199

(4)

57203 *Bertonia incana* (L.) DC.

(3)

Roadside, 6 miles southeast
Great Falls, Cascade Co. Montana
July 16

Alberta

57204 *Cleome serrulata* Pursh (2)
Fls. purple, gravel bar, Milk River,
1 mile west of Milk River, Alberta
(2) July 17, 1957 alt 3,750 ft.

57205 *Trabis Holboellii* Hornem. (1)
as 57204 - only plant seen.
 $2n = 21$ cf. Böcher 1969

57206 *Descurainia Richardsonii* (Sweet) Schleg (4)
as 57204

57207 *Descurainia sylvia* (L.) Walp. (4)
as 57204

57208 *Erysimum inconspicuum* (Wats.) Greuter (2)
dry gravel - alt 3,750 ft.

Montana

- 57209 *Roegneria islandica* (Aesh.) Boeckl. var. ^{microcarpa} ②
near the South Fork of Milk River,
3 miles south of Canadian border,
between Del Bonita, Alberta and Del Bonita,
Montana - July 17, 1957. Glacier County
- 57210 *Courtingia orientalis* (L.) Dum. ①
as 57209

Alberta

- 57211 *Besqueretia* arenosa (Richards.) Rydb. ③
(Watt.) Wats.
stony knoll, 7 miles east
Whiskey Gap, southern Alberta,
Canada - July 17, 1957
alt 4,700 ft.
siliques nearly glabrous, pedicels slender
- 57212 *Besqueretia alpina* ⑪
slaty shales and loose adjacent soil,
bluffs of north fork of Milk River,
3 miles east of Whiskey Gap,
southern Alberta, July 17
alt 4,850 ft.

Montana

57213 *Arabis hyallii*

①

Pike Lodge, near Iceberg Lake, 4.6
miles west of Many Nations, Ban
National Park, July 18, 1957
Fls pink.

57214 *Arabis drummondii*

①

Shrublands, 3 miles west of
Many Nations, Ban. Nat. Park
Montana July 18, 1957

57215 *Arabis proserpita* Greene

①

Pike Lodge, 57214

57216 *Arabis Halboellii*, var. *retrofracta*

Siliques strictly reflexed. Steep bank
road cut, 5 miles north of Lost
Trail Pass, south of Sula, Park
County, Montana alt 5,600 ft.
July 20, 1957

Idaho

57217 *Arabis divaricarpa* A. Nels.

(9)

silique ~~erect~~ arching,
slightly pendulous, abundant near roadside
some plants with sterile silicles,
southern slope of Mt. Teton Pass 3 miles
south of summit, L. A. Co. Idaho.

July 20, 1957

alt. 5,200 ft

57218 *Thermopsis montana* Nutt.

(4)

pod monost

Aspen zone, near

(4)

~~boundary of~~ Bendish mts.

west of Leadore, Bendish Co. Id.

July 20, 1957

alt. 7,200 ft

57219 *Colobospermum bruceanum* Nelson & Machi

(5)

petals concave at base outer spot

sagebrush hillside - as 57218

57220 *Phlox longifolia* Nutt.

(4)

~~Fls.~~ Fls. white to pink

sagebrush hillside - as 57218

57221 *Symphoricarpos oreophilus* Gray

(3)

fls. white to light pink

Ed. L. L.

- 57222 *Arabis Harbortii* (3)
old mine road, east of Sunlight
Peak, Wegonsa Mts.
July 21, 1907
Siliques strictly perennial
7,500 ft

- 57223 *Arabis* (13)
abundant near mine diggings, part
way up Sunlight Peak, alt 6,500 ft
petals purplish, siliques densely glandular
as 57222

- 57224 *Desmodium pinnata* (Walt.) Britt. (7)
subsp. *velsonii* (Rydb.) Detl.
as 57223
Seed collected

- 57225 *Draba densifolia* Nutt. (3)
Rock slope in open pine woods
as 57223

- 57226 *Draba oligosperma* Hook. (3)
Fls yellow, steep slope in same
10,000 ft approach to Sunlight Peak

7227 [~~Draba~~] *Syntherisma Hendersonii* ^{Pennell} Rydb. (2)
Fls. blue
shoulder of Sunlight Peak, 11,000 ft.

57228 *Draba longicaarpa* Rydb. (2)
Fls. white, rock crevices on steep slope
alt. 11,000 ft.

7229 *Draba* ^{*Paysonii* Mathias} ~~*longicaarpa* Rydb.~~ ^{*var. Treleasei* (Schultz) Hitchc.} (7)
Fls. yellow on banks and steep slopes
may be 2 things - material with yellow buds
on dryer more wood - not at all
Sunlight Peak. alt. 10,000 - 11,000 ft.

57230 ~~_____~~ *Douglasia montana* Gray (3)
Fls. deep pink, caespitose but in small
clumps.
alt. 7200 - 9

57231 *Anemone drummondii* S. Wats. (5)
petals white above and blue below
steep slope
alt. 11,000 - 15,000 ft.

7 labels

57232 *Arabis Lyallii* S. Wats. (4)
Fls deep purple. - 1, right
alt. 11,300 ft.

Wemhi Range

July 21

57233 *Arabis oligosperma* Hook. (7)
Tufts -
similar to right peak, 10,500 ft.
siliques 4-ang.

57234 *Eribidium aretioides* (Cham.) DC. (1)
Fls. -

(1)

57235 *Selaginella* (2)
near 57234

57236 *Arabis oligosperma* Hook. (4)
Tufts -
- July 21

57237 *Arabis Holboellii* Hornem. (6)
var. *pendulocarpa* (A. Nels.) Roll.
South slope of small peak right, summit of right peak from east, alt 10,800 ft.
Fl. material at and just below may be something else.

Idaho

57238 *Hemichera*

(4)

fls. white, clumps - white anthers,
as 57237

57239 *Filices montigenum* M. ^{Clatchie} ~~Shott~~

(2)

Shrub 1 ft. high, fls. white,
to Summit peak, 10,000 ft.

57240 *Samolus calycina* (Steph.) C. A. Meyer

(4)

var. *Americana* (Reg. & Hard.) Gray & Roll
Rocky slopes, Summit peak, 10,000 ft.

57241 *Saxifraga saximontana* E. Nelson

Fls. white, 9,000 ft.

57242 *Valeriana acutiloba* Rydb.

(4)

Open pine woods - 9,000 ft.

var. *puberula* (Rydb.) Cronq.

Chionophilae

57243 *Chionophilae* Tweedye (only, small flowers) (5)

the petals purple

open petals 9, 10, 11 ft

57244 *Arabis Holboellii* Hornem. (2)
as 57243 var. *pandulocarpa*
alt 10,000 ft.

57245 *Arabis* s. s. Wats. (1)
approach to summit of Mount Peak
the petals alt 14,000 ft.

57246 *Ribes* (2)
alt 12,000 ft. to 14,000 ft. in
east approach to Mount Peak,
alt 10,000 ft.

July 21

Adelpho

57247b = *A. holboellii* var. *retrofracta* -

57247a = *A. microphylla* Nutt., var. *macounii*

Arabis divaricans A. Nels.

(14)

a polyploid ex. plant. Taking plants
just above the snow line on the
base of Sunrise Peak, ~~Benchi Mts.~~ Benchi
Co., July 22, alt 7,500 ft

57248 *Arabis microphylla* Nutt.

(8)

var. *macounii* (Wats.) Roll.
Fls purple, siliques arcuate -
upper end of area of 57247

57249 ~~*Arabis holboellii*~~ *Arabis glandulosa* Nutt.

(7)

sprays
Shrub 2-3 ft high, most racemes
white! as 57247

57250 *Silene menginii* Hook.

(6)

Fls white, pedicels with a few red flowers

Wyoming

57251 *Physaria didymocarpa* (Hook.) Gray (5)
~~var. integrifolia Rollins~~
Salixes high, ~~in places~~, some
deeper above than below
steep bank of cut, shale,
11 miles north of Afton,
Lincoln County, July 26, 1957
alt. 6900, f

57252 *Stanleya viridiflora* Nutt. (3)
shaly hill, 14 miles west of
Kemmerer, Lincoln County,
July 27, 1957 - alt. 7000 ft

57253 *Lupinus* (2)
shaly hill, 14 miles west of
Kemmerer, Lincoln County,
July 27, 1957 - alt. 7000 ft

57254 *Physaria condensata* Roll.
 same as 57252

(3)

57255 *Astrogalus geyanus* S. Wats.
 as 57252

(1)

Pods inflated, inflated

57256 *Streptanthus cordatus* Nutt.

(3)

8 ~~Streptanthus~~ *Saxifraga* Nutt.
 sag. hill - shady hill

(3)

7 *Holboellii* Hornem., var. *retrofracta*.
 as 57257

(4)

57259 *Townsendia incana* Nutt.

(1)

29 = 14 cf. Böcher (1962)
 Rays white, etc. of hilltops overlooking
 Hansa Park, 4 miles north of ...
 alt. ...

July = 8, 1957

57260 *Stephanomeria runcinata* Nutt. comp.
 milk, pale, rays pink
 as 57257

(4)

Wagon

57261

Clusia lutea Hook.

(3)

Sandy hill, 2 miles north of
Siquin, Santa Cruz, July 29
alt. 6,000 ft

57262

Stephanomeria runcinata Nutt.

Comp. (3)

Rays pink

Rocky hill

a. 57261

Det. K. B. Chambers

57263

Obolus micrantha Torrey

(3)

Thin ground hill, sandy hill
a. 57261

Phlox - *Cymbalaria* Pursh

(5)

var. *aximontana* Penn.
moist soil in bottom of spring bed
wash, 4 miles ^{west} of Carter, Santa Cruz.
July 29 alt. 6,000 ft

Weymouth

766 *Stenandrium pinnate* (Pursh) Britt.
var. *gibberna* Rollins

(6)

Site, ... 1/4 mile ...
Bridge ...
July 29th

Malacotheca africana (L.) R. Br.

(4)

Old gravel pit, Bigelow Beach, ...
Fort Bridge and the Muddy River, ...
July 29, 1957

Utah

Paronychia sessiliflora Nutt

7267

~~_____~~



open long level under a big
branch, summit 3.

March 5, 1911

Cost 8,000 ft

57268

AK

Lesquerella utahensis Rydb.

12

Reddish brown and open spaces between
some red, some white, near baked
clay, above Brighton Salt Lake
Co. July 20 alt 9,400 ft

near Baker

May 1, also Brighton Salt Lake

July 1902

9,400

with R. K. Vickery

57271 *utahensis* Rydb. ^{etc} (5)
north slope, just east of Lake Mary
alt 5726 -

57273 (7)
slightly curved
alt 57268

57274 *alpina* (Wats.) Rydb. (2)
moist slope, $\frac{1}{2}$ above Brighton, Salt Lake
? July 31, '57 alt 9,800 ft.

57275 *Stenleya pinnata* (Pursh) Britt. (3)
desert gully, about 1/2 mile from
here, 8 miles west of here.
Grand Canyon, Utah
Aug 3, 1957

Colorado

57273

Viola *serotina*

(3)

along road near
 about 5 miles from
 alt. 6,500 ft.

57274

Physalis flabellata Rydb
 as 57273

(2) (1)

57275

Saxifraga *serotina*
 sessile
 to distinct, young ones and from a
 white stigma in a light stigma, straight
 and well developed.

(1)

57276a

Viola *serotina* var. *retrofracta*
 seeds only - as 57273

57277

Thelypodium

(3) (2)

along road near
 alt. 6,500 ft.

Colorado

57277 *Lupinus montanum* Nutt. (2)
as 57273 var. *alpinus* (Gray) Isenr.

57278a *Saxifraga hypnoides*
Seed only - as 57273

57278 *Ledebouria cordifolia* Gray (2) (2)
mountain meadow near
Lake Elberta, south of Aspen,
Ft. Collins Co. - alt 10,500 ft
Aug. 4, 1907

57279 *Draba spectabilis* Greene (4)
fairly common in favorable sites
in the mountains of western Colorado
as 57278 alt 11,500 ft

57280 *Anemone multifida* Pursh (2)
Rocky tundra, in north
south of Manitou Lake
as 57278 alt 11,500 ft.

57281 *Luzula elegans* Pursh (2)
mt. meadow as 57280

(2)

Colorado

52200

Shrub up to 10 ft. Reddish bark grey
slightly ridged, inner bark white
fleshy. Fruit red, 1/2 inch diam.
all description

(2)

52201

Rosa aurea Vahl

Dry ridge, alt. as 52200

(2)

52202

Rosa spectabilis Greene

Open meadows, 12,000 ft
as 52200

(5)

Colorado

57285 *Stanleya pinnata* (Pursh) Britt. (4)

var. *integrifolia* (Sauer) Rollins
Stems numerous from the base, leaves
steep & close below cliff, Colorado River
Canyon, between Glenwood Springs and Gypsum
12 miles west of Gypsum
Garfield County

Aug. 6, 1957

alt. 6,300 ft.

57286 *Physaria glabra* Rydb. (1)

Steep hill, Colorado River 10 miles
west of Gypsum, Garfield County
Aug. 6 alt. 6,400 ft.

57287 *Physaria* (6)

perennial, with few
pinnae-gripes area, alt. 7,000 ft.
3 miles north of Eagle, Eagle Co.
Aug. 6 alt. 7,000 ft.

57288 *Abrovia elliptica* A. Nels. (5)

perennial, fls. white, sagebrush area
2 miles north of Eagle, Eagle Co.
Aug. 6 alt. 6,700 ft.

Colorado

57289 *Decursaria Richardsonii* (Sweet) S. Wats. (5)
 subsp. *incisa* (Engelm.) S. Wats.
 under piñon-juniper, steep slope
 7 miles southwest of Kyburg,
 Eagle County
 Aug. 7 alt. 7,200 ft.

57290 *Compositae* (4)
 stems several from a branched base.
 fls. yellow
 open hill, 3.5 miles southwest
 of Kyburg, Eagle Co.
 Aug. 7 alt. 7,200 ft.

57291 *Eriogonum montanum* Nutt. (5)
 perennial
 as 57290

57292 *Eriogonum brevicaulis* Nutt. (4)
 shrubby at base, fls. white
 as 57290

- 57293 *Allium acuminatum* Hook. (7)
 Fls purple, bulbs ovoid, fragily attached
 to stem (7)
 Sandy soil, Cottonwood Pass, 13 miles
 southwest of Hays, Eagle Co. (7)
 Aug. 7 alt 8,500 ft

- 57294 *Gnaphalium oreophilum* Gray (2)
 Rocky outcrop - as 57293

- (4)
 57295 *Sidalcea neomexicana* Gray (4)
~~Sphaerocarpa~~
 Fls purple, perennial,
 moist meadow, miles south
 east of H. and Springs, Co. 10 ft
 alt 8,200 ft.
 Aug. 7

- 57296 *Sidalcea candida* Gray (3)
~~Sphaerocarpa~~
 Fls white, plants stoloniferous
 as 57295

Utah

- 57297 *Oxybaphus linearis* (Pursh) Robinson
~~Mindick~~ ^{alt.} (9)
Fls. light pink, stems several from a
thick root,
steep slope in volcanic chip, 15 miles
northwest of Deer River, Emery Co.
Aug. 8 alt. 4,800 ft.

- 57298 *Streptanthus cordatus* Nutt. (1)
dry wash, same as 57297

- 57299 *Mentzelia pterosperma* Eastw. (5)
fls. yellow, as 57297

- 57300 *Lupinus fendleri* T. & G. (4)
perennial, not thick
as 57297

- 57301 *Eriogonum hookeri* S. Wats. (7)
as 57297

Utah

57302 *Arabis* ①
as 57298

57302a *Stanleya pinnatifida*
seed (green) only - as 57298

57303 *Ephedra Torreyana* Wats. ①
Stems bluish, shrub up to 10 ft
as 57298

57303a *Striptanthella fragilis* (Wats.) Rydb.
seed only

57304 *Phacelia microphylla* A. Gray ④
Shrub 1 ft. tall. 2 miles
E. of Carbonate. Carbonate
Ang. 8.

57305 *Salix coloradensis* Wight ④
perennial, shrub 10 ft. tall
as 57304

57305a *Geum parviflorum*
seed only - as 57304

Utah

57306 *Arbus densiflorus* (3)
 among sagebrush and juniper,
 near ^{Sage Creek} highway, Utah no. 12, 2.2 miles
 east of Salina, Sevier Co
 Aug. 9 alt 7,500 ft.

57307 *Arbus densiflorus* Schrad. (3)
 var. *ramosus* (Nels.) Thell.
 as 57306

57308 *Arbus densiflorus* (Sweet) Schulz (8)
 subsp. *missa* (Engelm.) Little.
 as 57306

57309 *Bouteloua gracilis* (Kunth in HBK) Lag. (6)
 Forming mats, sagebrush
 as 57306 (6)

Utah

57310

Astragalus

(4)

Pods inflated, inflated, deep red
perennial. loose soil, road cut.

(4)

5 miles west of Bod, Wayne Co.

Aug. 10

alt 7,500 ft

57311

Chamaebatiaria millefolium (Torr.) Maxim.

(4)

Shrub 1-2 ft high, parts white.

among rocks, 6 miles south of
Bod, Wayne Co.

(4)

Aug. 10

alt 7,200 ft

57312

Mirabilis linearis (Pursh) Heimerl.

(4)

Fls deep purple, ...

steep slope in granite soil, ...

... plateau, ...

... alt 8,400 ft

Aug. 10

Utah

5

Lygodesmia spinosa Nutt. (3)

From the ...
agassiz plateau, about 25 mi
from ...

Aug. 10 alt 8,300 ft

Det. R. B. Chambers

... *thompsoniae* (Gray) Rydb. (4)

...
Aug 10

... *schistacea* Rollins (3)

low ...
Aug. 10

$2n = 14$ cf. Böcher 1969

... *pendulina* Greene (2)

... 57315

$2n = 14$ cf. Böcher 1969

57317 *Rorippa obtusa* (Nutt.) Britt.

(3)

In water in a small hole, Aquarius
plateau, 26 miles north of Escalante,
Garfield Co.

Aug. 10

alt 8,500 ft

57318 *Lesquerella* Warden Water

(20)

Lesquerella, usually longer than
broad, slightly flattened contrary to position
knoll or rubble, Aquarius plateau

30 miles north of Escalante, Garfield Co.

Aug. 10

alt 9,800 ft

57319 *Chenopodium*

(3)

Fls white to pink alt 8,500 ft

57320 *Arabis divaricarpa* A. Nels.

(1)

Spurge-pir, open area, southern slope of
Aquarius plateau, 17^{miles} north of
Escalante, Garfield Co.

Aug. 10

alt 9,500 ft

57321 *Arabis* *confertifolia*

(2)

alt 8,500 ft

Utah

57322 *Sisymbrium Brandegei* Gray

(6)

Along slope, 11 miles S. of
Henrieville, Garfield Co.

Aug. 11

Alt. 8,000

57323

(4)

Sisymbrium
along road, S. of Henrieville

57324

Chamaelirium Palmeriana Jones

Shrub, 1-2 ft. high, Aug. 11

along road, S. of Henrieville, Garfield Co.

Aug. 11

Alt. 8,000

Det. Hugh Ellis

57325

Berberis Fremontii Torr.

(4)

Ferries inflated,
Shrub up to 10 ft. high, 4-5 in. diam., canyon ~~west~~ 4 miles
northwest of Tropic, Garfield Co.

Aug. 11

Alt. 8,500

57325a

Physalis, same place as 57325

not identified, Aug. 11

Utah

57326 *Lesquerella intermedia* (Wats.) Heller (1)
Under pines, Bryce Canyon National Park,
Garfield Co.
Aug. 11 alt. 8,000 ft.

57327 *Lesquerella intermedia* (Wats.) Heller (8)
Rocky hillside, near Bryce Canyon
Airport, Garfield County,
Aug. 11 alt. 7,800 ft.

57328 *Eriogonum microthecum* Nutt. (3)
Fls. pinkish, shrubby at base
as 57327

57329 *Lesquerella microtheca* Rollins (12)
Red chip rock talus, abundant
Red Canyon, 13 miles west of entrance
to Bryce Canyon National Park,
Aug. 11 alt. 7,300 ft.

57330 *Physalis Chambersii*, var. *membranacea* (5)
herbaceous, silicles inflated, angled
on margin. as 57329

Ariz. a.

57331 *Sisymbrium linearifolium* (Gray) Payson ①
Fls. purple, Cape Royal, Grand
Canyon National Park, Coconino Co
Aug. 12 alt. 7780 ft.

wardii Wats.

⑨

alt. 8000 ft. 2000
fruits variable, usually 2 or 3
and flattened slightly, contrary to practice

wardii Wats.

⑬

17

8000

fruit as 57332

57334 *Lesquerella arizonica* Wats. ⑧
~~var. *medialis* Payson~~

caespitose, more or less branched,
erect, siliques slightly curved
in the perianth area, ad-
pressed, flattened. 20
Coconino, Coconino Co. alt. 7000

Arizona

57335 *Arabis perennans* S. Wats.
6057 334

①

Utah

57336 *Physaria Chambersii* Rollins

⑧

siliques sharply angled on margin
but rounded on back, clay road cut,
26 miles east of Cedar Breaks
National Monument, Kane County

Aug. 13

alt. 7,600 ft.

57337 *Arabis subalpina*

①

limestone rubble, 8 miles southeast
of Cedar Breaks National Monument,
Iron County

Aug. 13

alt. 9,200 ft.

Utah

57338 *Artemisia tridentata* (2)
 1 mi. S. of Mt. Cedar Breaks
 National Monument, Iron Co.
 Aug. 13 alt 12,500 ft

57339 *Comptonia minimum* Mathias (3)
 as 57338 det. M. Mathias

57340 *Artemisia petersonii* Maguire (2)
 (2) 1/2 mi. S. of Mt. Cedar Breaks, white clay at top of
 breaks, Cedar Breaks National
 Monument, Iron Co.
 Aug. 13 alt 12,500 ft

Nevada

57341 *Astragalus filipes* Torr. (1)
Among sagebrush. Slope below
head of Big Creek Canyon, Toiyabe
Range, Lander County
Aug 15 alt 10,000 ft

57342 *Astragalus* (3)
(3)

57343 *Grindelia kingii* Wats. (3)
Grassland and shrub slope, middle
as 57341

57344 *Drum lanceolatum* Torr. (3)
as 57343
(3)

57345 *Arabis* (1)
Rock crevices
as 573

Nevada

57346 *Arabis divaricarpa* A. Nels. (1)

var. *divaricarpa*

Aug 15, 57

alt. 6,000 ft.

57347 *Arabis* (2)

var. *pubescens*

pubescent

21 = 22. cf. Böcher 1969

57348 *Stanleya pinnatifida* (6)

plant. up to 3 ft. high, early
bottom of valley, under wet soil
of Round Mountain, Nevada

Aug 15, 57 alt. 6,000 ft.

California

57352 *Thelypodium laciniatum*
var. *milleflorum*
meadowy
3 miles west of Eureka, Eureka Co.
Nevada Aug. 14, 1957

57353 *Sibbaldia procumbens*
near airport, Bryce Canyon
Garfield Co. Utah
Aug. 11, 1957

57354 *Orabes lyallii* var. *subopposita*

discussed
with me 237

57355 *Draba sphaerula* Nutt. + parson
mixed with 57229

57356 *Leavenworthia inflata*
cf. Book I 1957 under no 5733

Localities for Lesquerella

New Mexico: top of Sandia Mt. July 25, 1935
Bro. Arsène no 21794

Alberta sandy soil near Milk River,
southern Alberta. June 24, 1932
W.C. McCalla 3849



